ACE Interoperability Support – EPA PGA Message Set Samples

Contract # GS00Q09BGD0022 Task Order # EF-G11H-00154 Project # TDD 10.03 Version 3.0 February 27, 2014

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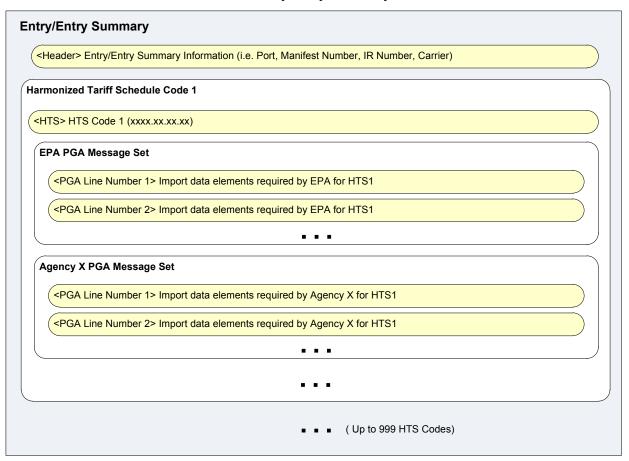
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1 Entry/Entry Summary Structure

Exhibit 1-1 depicts the structure of an Entry/Entry Summary that CBP will construct to capture CBP and EPA required entry data.

- The CBP required Entry/Entry Summary data is captured in the <Header> section.
- Each Entry/Entry Summary can contain a maximum of 999 HTS codes.
- Each HTS Code can contain multiple PGA Message Sets and each PGA Message Set is created for a specified agency (i.e., EPA). The maximum number of PGA Message Sets allowed for an HTS code has not yet been determined.
- Each Agency's PGA Message Set can have at least one PGA Line. The PGA Line Number within a PGA Message Set starts at one and is sequentially incremented by one. The maximum number of PGA Lines allowed within a PGA Message Set has not yet been determined.

Exhibit 1-1: Entry/Entry Summary Structure



2 PGA Message Set Samples (Draft)

2.1 Ozone Depleting Substances

2.1.1 Ozone Depleting Substances (ODS) Sample 1

A shipment of an ODS regulated substance, Monochlorodifluoromethane, more commonly known as HFCF-22 or Freon 22, is imported into the United States for domestic consumption. Exhibit 2-1illustrates the high-level structure of ODS Sample 1 depicted in Exhibit 2-2.

Exhibit 2-1: ODS Sample 1 Structure

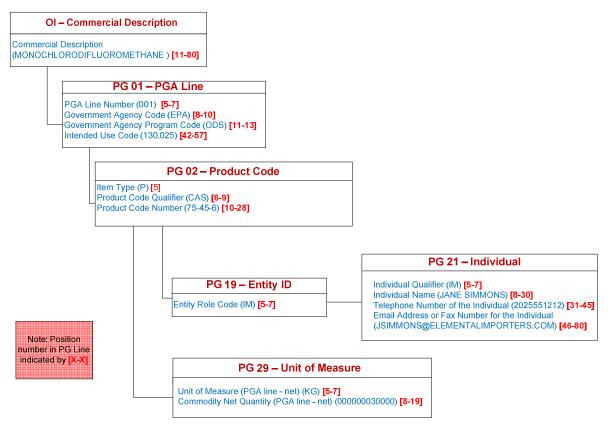


Exhibit 2-2: ODS Sample 1 - Import ODS for Domestic Consumption

ODS Sample 1 - Import ODS for Domestic Consumption				
OI MO	OI MONOCHLORODIFLUOROMETHANE			
PG01001EPAOD	ODS 130.025		025	
PG02PCAS 75-	PCAS 75-45-6			
PG19IM				
	PG21IM JANE SIMMONS 2025551212 JSIMMONS@ELEMENTALIMPORTERS.COM			
PG29KG 00000030000				
PG Record	Description			
OI			n record. The commercial description of the shipment is ANE, more commonly known as HCFC-22.	

ODS Samp	ole 1 - Import ODS for Domestic Consumption
PG01	 PGA Line Number: 001 Government Agency Code: EPA = Environmental Protection Agency (EPA) Government Agency Program Code: ODS = Ozone Depleting Substances (ODS) Intended Use Code: 130.025 = Domestic Consumption of Ozone Depleting Substance This is PGA Line Number 001. The shipment is regulated by the ODS program office within EPA with an intended use code of 130.025. This shipment is imported for the purpose of processing Ozone Depleting Substance for domestic consumption.
PG02	 Item Type: P = Product Product Code Qualifier: CAS = Chemical Abstract Service Number Product Code Number: 75-45-6 = CAS Number The CAS number for the import is 75-45-6.
PG19	Entity Role Code: IM = Importer of Record The Importer of Record's identification information follows.
PG21	 Individual Qualifier: IM = Importer of Record Individual Name: JANE SIMMONS = Importer Individual Name Telephone Number of the Individual: 2025551212 = Importer's phone number Email Address for the Individual: JSIMMONS@ELEMENTALIMPORTERS.COM = Importer's Individual's email. The Importer of Record's individual point of contact is Jane Simmons; her phone number is (202) 555-1212 and her email is jsimmons@elementals.com.
PG29	 Unit of Measure (PGA line - net): KG = kilograms Commodity Net Quantity: 00000030000 = 300.00 (kg) The net weight of this shipment is 300 kg. For Commodity Net Quantity there are 12 spaces, and if a space is not used, it must be zero filled. There are two implied decimal points when writing the commodity net quantity. As in this example, 300 kg is represented as 00000030000, with the seven leading zeros as "fill". The quantity of 300 kg has two implied decimal places, so it is actually 300.00 kg, represented by the 30000 value in the field.

2.1.2 Ozone Depleting Substances (ODS) Sample 2

A shipment of an ODS regulated substance, Tricholorofluoromethane, more commonly known as Freon, is imported into the United States. Part of the shipment will be processed into feedstock, and part of it will be for research and development. Exhibit 2-3 illustrates the high-level structure of ODS Sample 2 depicted in Exhibit 2-4.

Exhibit 2-3: ODS Sample 2 Structure

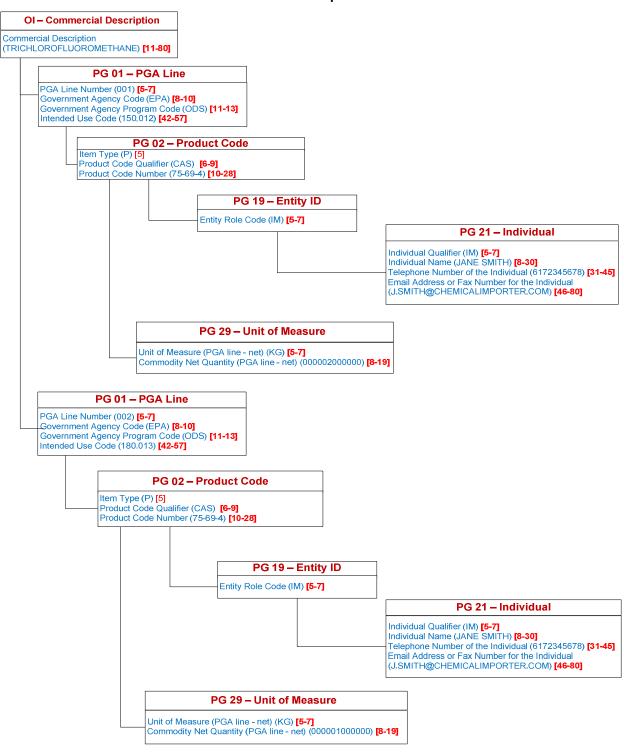


Exhibit 2-4: ODS Sample 2 - Import for Multiple Purposes

ODS Sample 2 - Import ODS for processing into feedstock and R&D

<PGA LINE 1>

TRICHLOROFLUOROMETHANE

PG01001EPAODS 150.012

PG02PCAS 75-69-4

PG19IM

PG21IM JANE SMITH 6172345678 J.SMITH@CHEMICALIMPORT.COM PG29KG 000002000000

<PGA LINE 2>

PG01002EPAODS 180.013

PG02PCAS 75-69-4

PG19IM

PG21IM JANE SMITH 6172345678 J.SMITH@CHEMICALIMPORT.COM

PG Record	Description			
PGA Line 1				
OI	This is a generic invoice description record. The commercial description of the shipment is "TRICHLOROFLUOROMETHANE".			
PG01	PGA Line Number: 001			
	Government Agency Code: EPA = Environmental Protection Agency (EPA)			
	 Government Agency Program Code: ODS = Ozone Depleting Substances (ODS) 			
	 Intended Use Code: 150. 012 = For processing of Ozone Depleting Substance into Feedstock 			
	This is PGA Line Number 001. The shipment is regulated by the ODS program office within EPA with an intended use code of 150. 012. This shipment is imported for the purpose of processing Ozone Depleting Substance into Feedstock.			
PG02	• Item Type: P = Product			
	Product Code Qualifier: CAS = Chemical Abstract Service Number			
	Product Code Number: 75-69-4 = CAS Number			
	The CAS number for the import is 75-69-4.			
PG19	Entity Role Code: IM = Importer of Record			
	The Importer of Record's identification information follows.			
PG21	Individual Qualifier: IM = Importer of Record			
	Individual Name: JANE SIMMONS = Importer Individual Name			
	 Telephone Number of the Individual: 2025551212 = Importer's phone number 			
	 Email Address for the Individual: JSIMMONS@ELEMENTALIMPORTERS.COM = Importer's Individual's email 			
	 The Importer of Record's individual point of contact is Jane Simmons; her phone number is (202) 555-1212 and her email is jsimmons@elementalimporters.com. 			
PG29	Unit of Measure (PGA line - net): KG = kilograms			
	 Commodity Net Quantity: 000002000000=20000.00(kg) 			
	The net weight of this shipment is 20,000 kg.			
	For Commodity Net Quantity there are 12 spaces, and if a space is not used, it must be zero filled.			
	There are two implied decimal points when writing the commodity net quantity. As in this example, 20,000 kg is represented as 000002000000, with the five leading zeros as "fill". The quantity of 20,000 kg has two implied decimal places, so it is actually 20,000.00 kg, represented by the 2000000 value in the field.			

ODS Sample 2 - Import ODS for processing into feedstock and R&D			
PG01	PGA Line Number: 002		
	 Government Agency Code: EP = Environmental Protection Agency (EPA) 		
	 Government Agency Program Code: ODS = Ozone Depleting Substances (ODS) 		
	 Intended Use Code: 180. 013 = Ozone and Depleting Substance for Research and Development 		
	This is PGA Line Number 002. The shipment is regulated the ODS program office within EPA with an intended use code of 180.013. This shipment is imported for research and development purpose. No electronic image has been transmitted.		
PG02	• Item type: P = Product		
	 Product Code Qualifier: CAS = Chemical Abstract Service Number 		
	Product Code Number: 75-69-4 = CAS Number		
	The CAS number for the import is 75-69-4.		
PG19	Entity Role Code: IM = Importer of Record		
	The Importer of Record's identification information follows.		
PG21	Individual Qualifier: IM = Importer of Record		
	 Individual Name: JANE SIMMONS = Importer Individual Name 		
	 Telephone Number of the Individual: 2025551212 = Importer's phone number 		
	 Email Address for the Individual: JSIMMONS@ELEMENTALIMPORTERS.COM = Importer's Individual's email 		
	The Importer of Record's individual point of contact is Jane Simmons; her phone number is (202) 555-1212 and her email is jsimmons@elementalimporters.com.		
PG29	Unit of Measure (PGA line - net): KG = kilograms		
	Commodity Net Quantity: 000001000000 = 10000.00(kg)		
	The net weight of this shipment is 10,000 kg		
	For Commodity Net Quantity there are 12 spaces, and if a space is not used, it must be zero filled.		
	There are two implied decimal points when writing the commodity net quantity. As in this example, 10,000 kg is represented as 000001000000, with the five leading zeros as "fill". The quantity of 10,000 kg has two implied decimal places, so it is actually 10,000.00 kg, represented by the 2000000 value in the field.		

2.2 Vehicles and Engines

Vehicles and Engines Pilot filing requirements:

The pilot only covers imports that have received EPA certification or have received an EPA Exemption Letter. As such, not all Import Codes are relevant to the pilot. The subsets of Import Codes applicable to the pilot are:

- For 3520-1: A, B, F, G, I K, L or O
- For 3520-21: 1, 3, 4, 10, 11, 12, 16, or 18

2.2.1 Vehicles & Engines (V&E) Sample 1

A shipment of Toyota Sedans is imported into the United States. The shipment's import code is "A". Trade is required to provide Test Group Name/Engine Family Name, EPA Certification Number, Certificate Expiration Date, and Model Year.

depicts the high-level structure of Vehicles and Engines Sample 1 depicted in Exhibit 2-6.

Exhibit 2-5: Vehicles and Engines Sample 1 Structure

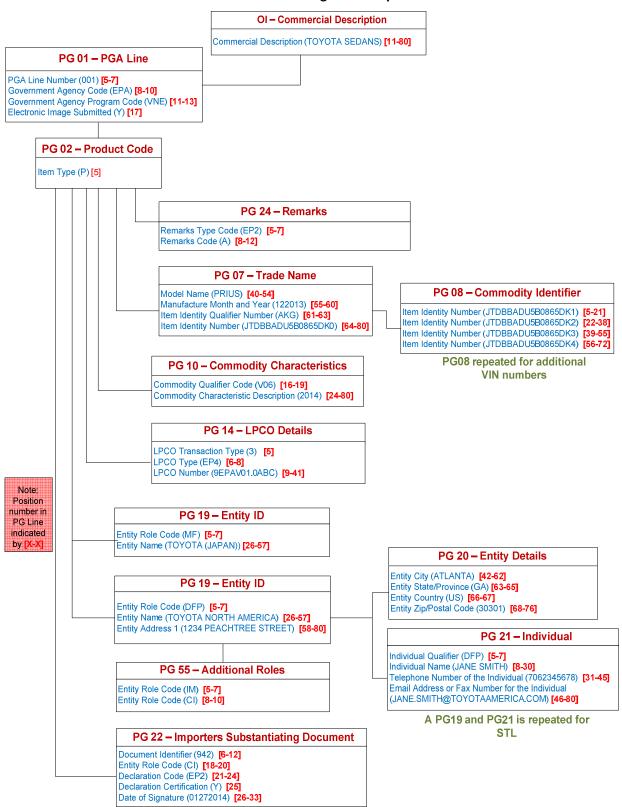


Exhibit 2-6: Vehicles and Engines Sample 1 - Import Vehicles into the United States

Vehicles and Engines Sample 1 - Import Vehicles into the United States

TOYOTA SEDANS PG01001EPAVNE Y

PG02P PG24EP2A

PG07 PRIUS 122013AKGJTDBBADU5B0865DK0

PG08JTDBBADU5B1865DK1JTDBBADU5B2865DK2JTDBBADU5B3865DK3JTDBBADU5B4865DK4 PG08JTDBBADU5B5865DK5JTDBBADU5B6865DK6JTDBBADU5B7865DK7JTDBBADU5B8865DK8

PG08JTDBBADU5B9865DK9JTDBBADU5BK865DKAJTDBBADU6B7865DKB

2014

PG143EP49EPAV01.0ABC

PG19MF TOYOTA (JAPAN)

PG19DFP

TOYOTA NORTH AMERICA 1234 PEACHTREE STREET
ATLANTA GA US30301 PG20

PG21DFPJANE SMITH 7062345678 JANE.SMITH@TOYOTAAMERICA.COM

PG21DFPJANE PG55IM CI	SMITH 7062345678 JANE.SMITH@TOYOTAAMERICA.COM		
PG19STL PG21STLJONES PG22 942	TOYOTA STORAGE SMITH 2014567890 JONES.SMITH@TOYOTASTORAGE.COM CI EP2 Y01272014		
PG Record	Description		
OI	This is a generic invoice description record. The commercial description of this shipment is "TOYOTA SEDANS".		
PG01	PGA Line Number: 001		
	 Government Agency Code: EPA = Environmental Protection Agency (EPA) 		
	 Government Agency Program Code: VNE = Vehicles & Engines (V&E) 		
	 Electronic Image Submitted: Y = Electronic image is transmitted 		
	The shipment is regulated by the V&E program office within EPA. An electronic image has been transmitted.		
PG02	Product/Component Indicator: P = Product		
	This product/component indicator relates that the following information refers to the product.		
PG24	 Remarks Type Code: EP2 = EPA Vehicles and Engines Import Code 		
	 Remarks Code: A = Modification to specific certified vehicle 		
	The import code for this shipment is "A", modification to specific certified vehicle, no bond required.		
PG07	Model: PRIUS = The product name is Prius		
	Manufacture Month and Year: 122013 = December, 2013 (12/2013)		
	 Item Identity Number Qualifier: AKG = Vehicle Identification Number (VIN) 		
	Item Identity Number: JTDBBADU5B0865DK0 = VIN number		
	The model name of the vehicle is Prius, the manufacture date is 12/2013, and the VIN is JTDBBADU5B0865DK0.		
PG08	• Item Identity Number: JTDBBADU5B1865DK1 = VIN number		
	Item Identity Number: JTDBBADU5B2865DK2 = VIN number		
	• Item Identity Number: JTDBBADU5B3865DK3 = VIN number		
	Item Identity Number: JTDBBADU5B4865DK4 = VIN number		

Vehicles and	Engines Sample 1 - Import Vehicles into the United States
	The rest of the VINs are captured in the following two PG08 lines, they are JTDBBADU5B1865DK5, JTDBBADU5B2865DK6, JTDBBADU5B3865DK7, JTDBBADU5B4865DK8, JTDBBADU5B5865DK9, JTDBBADU5B6865DKA, and JTDBBADU5B7865DKB.
PG10	Commodity Qualifier Code: V06 = Model Year (based on import code in PG24)
	• Commodity Characteristic Description: 2014 = Model year is 2014 The model year is 2014.
PG14	LPCO Transaction Type: 3 = General
	 LPCO Type: EP4 = Test Group Name code (based on import code = 'A' in PG24)
	• LPCO Number (or Name): 9EPAV01.0ABC = Test Group Name The Test Group Name is 9EPAV01.0ABC.
PG19	Entity Role Code: MF = Manufacturer
	Entity Name: TOYOTA (JAPAN) = Engine Manufacturer Name
	The manufacturer is Toyota (Japan). A PG 20 is not needed following this entry, because Address line 1 was not included.
PG19, PG20	Entity Role Code: DFP = Owner
	Entity Name: TOYOTA NORTH AMERICA = Certifying Individual's company name
	 Entity Address: 1234 PEACHTREE STREET ATLANTA GA 30301 US = Certifying Individual's company address
	The second entity record contains the owner's information.
PG21	• Individual Qualifier: DFP = Owner
	Individual Name: JANE SMITH = Owner
	Telephone Number of the Individual: 7062345678 = Owner point of contact phone number
	Email Address of the Individual: JANE.SMITH@TOYTOAAMERICA.COM = Owner email address
	The Owner is Jane Smith. Her phone number is (706) 234-5678 and her email address is jane.smith@toyotaamerica.com.
PG55	Entity Role Code: IM = Importer of Record
	Entity Role Code: CI = Certifying Individual
	The Owner, Jane Smith, is also the Importer of Record and the Certifying Individual, and her information is represented in the preceding entity information.
PG19, PG20	Entity Role Code: STL = Storage Location
	Entity Name: TOYOTA STORAGE = Storage Location Name
	The third entity record contains the storage location contact. The name of the storage location is Toyota Storage.

Vehicles and Engines Sample 1 - Import Vehicles into the United States PG21 Individual Qualifier: STL = Storage Location • Individual Name: JONES SMITH = Storage Location point of contact • Telephone Number of the Individual: 2014567890 = Storage Location point of contact telephone number • Email Address of the Individual: JONES.SMITH@TOYOTASTOARGE.COM = Storage Location point of contact email address The point of contact for the storage location is Jones Smith. His phone number is (201) 456-7890 and his email is jones.smith@toyotastorage.com. PG22 Document Identifier: 942 = EPA 3520-1 • Entity Role Code: CI = Certifying Individual • Declaration Code: EP2 = Certification Statement (3520-1) • Declaration Certification: Y = Certified • Date of Signature: 01272014 = January 27, 2014 (1/27/2014) The Certifying Individual signed the certification statement on Form 3520-1 on 1/27/2014.

2.2.2 Vehicles & Engines (V&E) Sample 2

A shipment of Cummins ISX15 engines for on-highway, heavy-duty truck use is imported into the United States. Exhibit 2-7 illustrates the high-level structure of Vehicles and Engines Sample 2 depicted in Exhibit 2-8.

Exhibit 2-7: Vehicles and Engines Sample 2 Structure

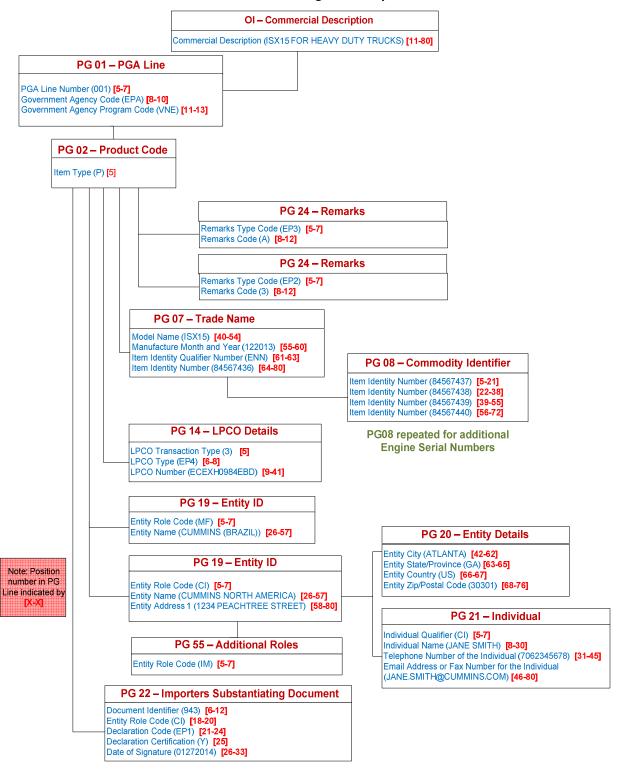


Exhibit 2-8: Vehicles and Engines Sample 2 - Import Engines for Off-road Use

Vehicl	es and Engines	Sample 2 - I	mport Engines for Off-road Use
OI	ISX15 FOR	HEAVY DUTY	TRUCKS

Vehicles and Engines Sample 2 - Import Engines for Off-road Use

PG01001EPAVNE PG02P PG24EP3A PG24EP23

PG07 ISX15 122013ENN84567436 PG0884567437 84567438 84567439 84567440 PG0884567441 84567442 84567443 PG143EP4ECEXH0984ERD

PG143EP4ECEXH0984EBD

CUMMINS (BRAZIL) CUMMINS NORTH AME PG19MF

CUMMINS NORTH AMERICA 1234 PEACHTREE STREET ATLANTA GA US30301 PG19CI PG20

PG21CI JANE SMITH 7062345678 JANE.SMITH@CUMMINS.COM

PG55IM

PG22 943 CI EP1 Y01272014

PG Record	Description
OI	This is a generic invoice description record. The commercial description of this shipment is "ISX FOR HEAVY DUTY TRUCKS".
PG01	PGA Line Number: 001
	Government Agency Code: EPA = Environmental Protection Agency (EPA)
	 Government Agency Program Code: VNE = Vehicles & Engines (V&E) The shipment is regulated by the V&E program office within EPA.
PG02	The Shipment is regulated by the V&L program office within LFA.
PG02	Product/Component Indicator: P = Product This product/component indicator relates that the following information refers to the product
PG24	This product/component indicator relates that the following information refers to the product.
	• Remarks Type Code: EP3 = EPA Vehicles and Engines Industry Code
	 Remarks Code: A = Heavy-duty highway engines The industry code for this shipment is "A".
PG24	
	• Remarks Type Code: EP2 = EPA Vehicles and Engines Import Code
	 Remarks Code: 3 = Manufacturer-owned engine The import code for this shipment is "3".
PG07	
	• Model: ISX15 = The product name is ISX15
	• Manufacture Month and Year: 122013 = December, 2013 (12/2013)
	• Item Identity Number Qualifier: ENN = Engine Serial Number
	• Item Identity Number: 84567436 = The Engine Serial Number The model name of the engine is EM1000, the manufacture date is 12/2013 and the Engine Serial
	Number is MH0-874200. Serial Numbers should include dashes, periods or other separators within the serial number when present in the number format.
PG08	• Item Identity Number: 84567437 = Engine Serial Number
	• Item Identity Number: 84567438 = Engine Serial Number
	• Item Identity Number: 84567439 = Engine Serial Number
	• Item Identity Number: 84567440 = Engine Serial Number
	The rest of the Engine Serial Numbers in the shipment are captured in the following PG08 line, and

	they are 84567441, 84567442, and 84567443. Serial Numbers should include dashes, periods, or
	other separators within the serial number when present in the number format.
PG14	• LPCO Transaction Type: 3 = General
	• LPCO Type: EP4 = Engine Family Name/Number (based on import code 3 in PG24)
	• LPCO Number (or Name): ECEXH0984EBD = Test Group Name The Test Group Name is 7CSCC1234ABD.
PG19	Entity Role Code: MF = Manufacturer
	Entity Name: CUMMINS (BRAZIL) = Engine Manufacturer Name
	The first entity record is the manufacturer CUMMINS (BRAZIL).
	A PG 20 is not needed following this entry, because Address line 1 was not included.
PG19, PG20	Entity Role Code: CI = Certifying Individual
	Entity Name: CUMMINS NORTH AMERICA = Certifying Individual's company name
	 Entity Address: 1234 PEACHTREE STREET ATLANTA GA 30301 US = Certifying Individual's company address
	The second entity record is the Certifying Individual information.
PG21	Individual Qualifier: CI = Certifying Individual
	Individual Name: JANE SMITH = Certifying Individual point of contact
	 Telephone Number of the Individual: 7062345678 = Certifying Individual point of contact phone number
	 Email Address of the Individual: JANE.SMITH@CUMMINS.COM = Certifying Individual point of contact email address
	The Certifying Individual is Jane Smith. Her phone number is (706) 234-5678 and her email address is jane.smith@cummins.com.
PG55	Entity Role Code: IM = Importer of Record
	The Certifying Individual, Jane Smith, is also the Importer of Record, and her information is represented in the preceding entity information.
PG22	• Document Identifier: 943 = EPA 3520-21
	Entity Role Code: CI = Certifying Individual
	Declaration Code: EP1 =Certification Statement (3520-21)
	• Declaration Certification: Y = Certified
	• Date of Signature: 01272014 = January 27, 2014 (1/27/2014) The Certifying Individual signed the certification statement on Form 3520-21 on 1/27/2011.

2.2.3 Vehicles & Engines (V&E) Sample 3

A shipment of certified Toyota Engines for off-road use is imported into the United States. Trade is required to specify if the import is exempt from bond, the Bond Issuer NAIC#, Bond Policy Number, and Bond Issuer State. Exhibit 2-9 illustrates the high-level structure of Vehicles and Engines Sample 3 depicted in Exhibit 2-10.

Exhibit 2-9: Vehicles and Engines Sample 3 Structure

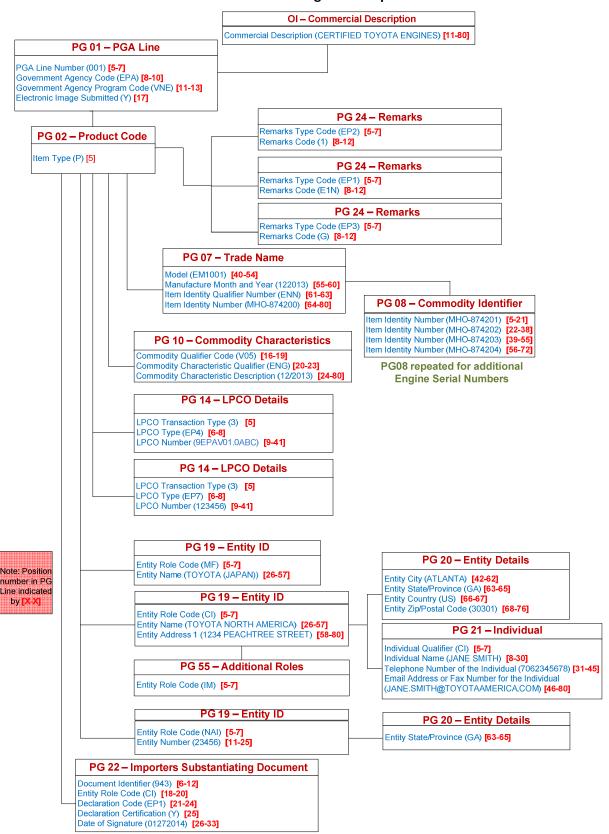


Exhibit 2-10: Vehicles and Engines Sample 3 - Import Certified Toyota Engines for Off-Road Use

Vehicles and Engines Sample 3 - Import Certified Toyota Engines for Off-road Use

CERTIFIED TOYOTA ENGINES PG01001EPAVNEY PG02P PG24EP21 PG24EP1E1N PG24EP3G PG07

EM1001 122013ENNMH0-874200

PG08MH0-874201 MH0-874202 MH0-874203 MH0-874204 PG08MH0-874205 MH0-874206 MH0-874207

V05 ENG 12/2013 PG10

PG143EP19EPAV01.0ABC

PG143EP7123456

PG19MF TOYOTA (JAPAN)

PG19CI TOYOTA NORTH AMERICA ATLANTA 1234 PEACHTREE STREET PG20 GA US30301

PG21CI JANE SMITH 7062345678 JANE.SMITH@TOYOTAAMERICA.COM

• Model: EM1001 = The product name is EM1001

PG55IM PG19NAI 23456

PG2.0 PG22 943 CI EP1 Y01272014

Description PG Record

GΑ

PG Record	Description
OI	This is a generic invoice description record. The commercial description of this shipment is "CERTIFIED TOYOTA ENGINES".
PG01	PGA Line number: 001
	Government Agency Code: EPA = Environmental Protection Agency (EPA)
	 Government Agency Program Code: VNE = Vehicles & Engines (V&E)
	Electronic Image Submitted: Y = Electronic image is transmitted
	The shipment is regulated by the V&E program office within EPA. An electronic image has been transmitted.
PG02	Product/Component Indicator: P = Product
	This product/component indicator relates that the following information refers to the product.
PG24	Remarks Type Code: EP2 = Import Code
	Remarks Code: 1 = US Certified Engine or Engine Installed in Certified Vehicle
	The import code for this shipment is "1", requiring an Engine Family Name/Number for the Certified Engine installed in a Certified Vehicle.
PG24	Remarks Type Code: EP1 = Bond Exemption
	Remarks Code: E1N = Not Exempt from Bond
	The shipment is not exempt from Bond.
PG24	Remarks Type Code: EP3 = Industry Code
	Remarks Code: G = Not excluded, bond required
	The industry Code is "G", indicating other non-road spark-ignition engines at or below 19 kW or at or below 30 kW if total displacement is at or below 1000 cc.
PG07	Model: FM1001 = The product name is FM1001

Vehicles and Engines Sample 3 - Import Certified Toyota Engines for Off-road Use		
	• Manufacture Month and Year: 122013 = December,2013 (12/2013)	
	Item Identity Number Qualifier: ENN = Engine Serial Number	
	• Item Identity Number: MH0-874200 = The Engine Serial Number The model name of the engine is EM1001, the manufacture date is 12/2013 and the Engine Serial Number is MH0-874200. Serial Numbers should include dashes, periods or, other separators within	
	the serial number when present in the number format.	
PG08	• Item Identity Number: MH0-874201 = Engine Serial Number	
	Item Identity Number: MH0-874202 = Engine Serial Number	
	• Item Identity Number: MH0-874203 = Engine Serial Number	
	Item Identity Number: MH0-874204 = Engine Serial Number	
	The rest of the Engine Serial Numbers are captured in the second PG08 line, and they are MH0-874205, MH0-874206, and MH0-874207. Serial Numbers should include dashes, periods or other separators within the serial number when present in the number format.	
PG10	Commodity Qualifier Code: V05 = Manufacture date	
	Commodity Characteristic Qualifier: ENG = Manufacture date is located on the engine	
	 Commodity Characteristic Description: 12/2013 = The engine has a manufacture date of December, 2013 	
	The manufacture date is obtained from the engine, and that date is December, 2013.	
PG14	• LPCO Transaction Type: 3 = General	
	LPCO Type: EP4 = Engine Family Name/Number (based on import code = 1 in PG24)	
	 LPCO Number (or Name): 9EPAV01.0ABC = Engine Family/Test Group number The Engine Family/Test Group number is 9EPAV01.0ABC. 	
PG14	LPCO Transaction Type: 3 = General	
	• LPCO Type: EP7 = Bond Policy Number code (based on industry code = G in PG24)	
	• LPCO Number (or Name): 123456 = Bond Policy Number The Bond Policy Number is 123456.	
PG19	Entity Role Code: MF = Manufacturer	
	Entity Name: TOYOTA (JAPAN) = Engine Manufacturer Name	
	The first entity record is the manufacturer Toyota (Japan).	
	A PG 20 is not needed following this entry, because Address line 1 was not included.	
PG19, PG20	Entity Role Code: CI = Certifying Individual	
	Entity Name: TOYOTA NORTH AMERICA = Certifying Individual's company name	
	 Entity Address: 1234 PEACHTREE STREET ATLANTA GA 30301 US = Certifying Individual's company address 	
	The second entity record is for the Certifying Individual's information.	

Vehicles and Engines Sample 3 - Import Certified Toyota Engines for Off-road Use		
PG21	Individual Qualifier: CI = Certifying Individual	
	 Individual Name: JANE SMITH = Certifying Individual point of contact 	
	 Telephone Number of the Individual: 7062345678 = Certifying Individual point of contact phone number 	
	 Email Address of the Individual: JANE.SMITH@TOYOTAAMERICA.COM = Certifying Individual point of contact email address 	
	The Certifying individual is Jane Smith. Her phone number is (706) 234-5678 and her email is jane.smith@toyotaamerica.com.	
PG55	Entity Role Code : IM = Importer of Record	
	The Certifying Individual, Jane Smith, is also the Importer of Record, and her information is represented in the preceding entity information.	
PG19	Entity Role Code: NAI = NAIC Bond Issuer	
	Entity Number: 23456 = NAIC Bond Issuer Number	
	The third entity is the NAIC Bond Issuer Number 23456.	
PG20	 Entity State/Province: GA = Georgia 	
	The Bond Issuer State is Georgia.	
PG22	• Document Identifier: 943 = EPA 3520-21	
	• Entity Role Code: CI = Certifying Individual	
	• Declaration Code: EP1 = Certification Statement (3520-21)	
	 Declaration Certification: Y = Certified 	
	• Date of Signature: 01272014 = The Certification date is January 27, 2014 (1/27/2014) The Certifying Individual signed the certification statement on Form 3520-21 on 1/27/2014.	

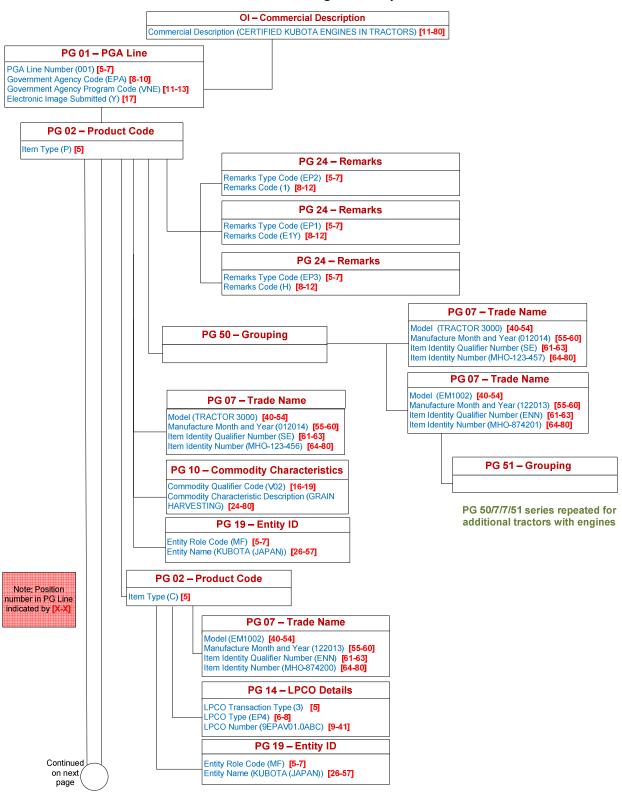
2.2.4 Vehicles & Engines (V&E) Sample 4

Certified Kubota Engines that have been installed in tractors are imported into the United States. Exhibit 2-11 illustrates the high-level structure of Vehicles and Engines Sample 4 depicted in Exhibit 2-12.

- The PG Message Set starts with an OI record, which describes the import.
- PG01 contains the PGA Line Number, the specific government agency for which the PGA Message Set is intended ("EPA" for Environmental Protection Agency), the specific government agency program ("VNE" for Vehicles & Engines), and electronic image availability.
- The first group of PG07, PG10, and PG19 describes the model number, manufacture date, serial number, type, and manufacturer of the equipment. This set of records, grouped using the PG50/51 records, describes the equipment that is equipped with the engine mentioned in the next PG07 record.

- The next group of PG07 and PG19, enclosed within a new set of PG50/51 records, describes the model number, manufacture date, serial number, and manufacturer of the engine. This engine is installed in the equipment mentioned in the previous PG07 record.
- PG10 describes the engine's characteristics.
- PG14 describes the engine family name.
- A combination of PG19, 20, and 21 describes an entity such as role, entity's address, and point of contact. An import can involve one or more entities such as importer of record, licensed broker, and consignee.
- PG55 contains the additional roles for the entity described in PG19, 20 and 21.
- PG22 contains PGA Form Number and certification information.
- PG24 contains Vehicles and Engines bond exemption, import code, and industry code information.
- The above PG07 and related records will be repeated for each imported equipment and engine in the equipment.

Exhibit 2-11: Vehicles and Engines Sample 4 Structure



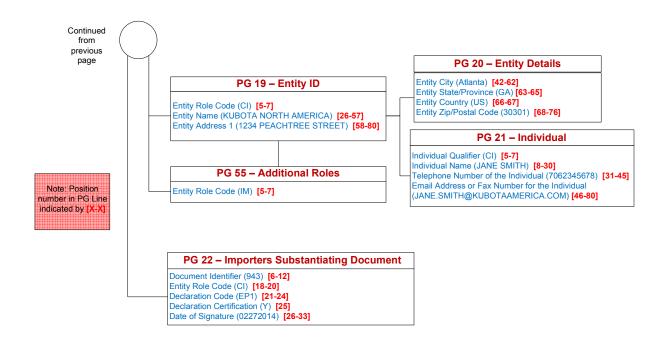


Exhibit 2-12: Vehicles and Engines Sample 4 - Import Certified Kubota Engines in Tractors

Vehicles and	Engines S	ample 4 - Import C	ertified Kubota E	ngines in Tractors	
OI CE	RTIFIED K	UBOTA ENGINES IN	TRACTORS		
PG01001EPAVN	EY				
PG02P					
PG24EP21					
PG24EP1E1Y					
PG24EP3H					
PG50					
PG07			TRACTOR 3000	012014SE MH0-123-457	
PG07			EM1002	122013ENNMH0-874201	
PG51					
PG50					
PG07			TRACTOR 3000	012014SE MH0-123-458	
PG07			EM1002	122013ENNMH0-874202	
PG51					
PG07			TRACTOR 3000	012014SE MH0-123-456	
PG10	V02	GRAIN HARVESTI			
PG19MF		KUBOTA (JAPA)			
PG02C		(,		
PG07			EM1002	122013ENNMH0-874-200	
PG143EP49EPA	V01.0ABC				
PG19MF					
PG19CT		TOYOTA NORTH	,	1234 PEACHTREE STREET	
PG2.0		1010111 11011111	ATLANTA	GA US30301	
PG21CT JANE	SMTTH	7062345		TH@KUBOTAAMERICA.COM	
PG55TM	DITT III	7002343	071NLL.DIT	THERODOTAL MERCENT COM	
PG22 943	CI E	P1 Y02272014			
PG Record			Des	scription	
Ol	This is a generic invoice description record. The commercial description of this shipment is "CERTIFIED KUBOTA ENGINES IN TRACTORS".				
PG01	• PGA	Line number: 001			

	and Engines Sample 4 - Import Certified Kubota Engines in Tractors
	 Government Agency Code: EPA = Environmental Protection Agency (EPA)
	 Government Agency Program Code: VNE = Vehicles & Engines (V&E)
	 Electronic Image Submitted: Y = Electronic image is transmitted
	The shipment is regulated by the V&E program office within EPA. An electronic image has been transmitted.
PG02	 Product/Component Indicator: P = Product This product/component indicator relates that the following information refers to the product.
 PG24	
	Remarks Type Code: EP1 = Bond exemption
	• Remarks Code: E1Y = Exempt from Bond (conditional)
	This shipment is exempt from Bond.
PG24	 Remarks Type Code: EP2 = Import Code
	 Remarks Code: 1 = US Certified Engine or Engine Installed in Certified Vehicle
	The import code for this shipment is "1", requiring the Engine Family Name/Number for the Certified Engine or Engine installed in a Certified Vehicle.
PG24	Remarks Type Code: EP3 = Industry Code
	Remarks Code: H = Other non-road spark-ignition engines above 19kW
	The industry code "H", indicates engines are other non-road spark-ignition engines above 19kW.
PG50	The PG 50 record indicates that a group has been initiated and the data immediately following this record, and before the PG51 record should be associated together.
PG07	Model: TRACTOR 3000 = Model of tractor with engine
	Manufacture Month and Year: 012014 = January, 2014 (01/2014)
	 Item Identity Number Qualifier: SE = Serial Number
	 Item Identity Number: MH0-123-457 = Equipment (tractor) serial number
	The model name of the tractor is Tractor 3000, the manufacture date is 01/2014 and the tractor Serial Number is MH0-123-457. Serial Numbers should include dashes, periods, or other separators within the serial number when present in the number format.
PG07	 Model: EM1002 = Model Name of the engine
	Manufacture Month and Year: 122013 = December, 2013 (12/2013)
	 Item Identity Number Qualifier: ENN = Engine Serial Number
	 Item Identity Number: MH0-874201 = The Engine Serial Number
	The model name of the engine is EM1002, the manufacture date is 12/2013 and the Engine Serial Number is MH0-874201. Serial Numbers should include dashes, periods, or other separators within the serial number when present in the number format.
PG51	Indicates that the grouping initiated by the previous PG50 record is closed.
PG50	The PG 50 record indicates that a group has been initiated and the data immediately following this record, and before the PG51 record should be associated together.

Vehicles and Engines Sample 4 - Import Certified Kubota Engines in Tractors		
PG07	Model: TRACTOR 3000 = Model of tractor with engine	
	Manufacture Month and Year: 012014 = January, 2014 (01/2014)	
	• Item Identity Number Qualifier: SE = Serial Number	
	• Item Identity Number: MH0-123-458 = Equipment (tractor) serial number	
	The model name of the tractor is Tractor 3000, the manufacture date is 01/2014 and the tractor Serial Number is MH0-123-458. Serial Numbers should include dashes, periods, or other separators within the serial number when present in the number format.	
PG07	Model: EM1002 = Model Name of the engine	
	 Manufacture Month and Year: 122013 = December, 2013 (12/2013) 	
	 Item Identity Number Qualifier: ENN = Engine Serial Number 	
	• Item Identity Number: MH0-874202 = The Engine Serial Number	
	The model name of the engine is EM1002, the manufacture date is 12/2010, and the Engine Serial Number is MH0-874202. Serial Numbers should include dashes, periods, or other separators within the serial number when present in the number format.	
PG51	Indicates that the grouping initiated by the previous PG50 record is closed.	
PG07	Model: TRACTOR 3000 = Model of tractor with engine	
	Manufacture Month and Year: 012014 = January, 2014 (01/2014)	
	 Item Identity Number Qualifier: SE = Serial Number 	
	• Item Identity Number: MH0-123-456 = Equipment (tractor) Serial Number	
	The model name of the tractor is Tractor 3000, the manufacture date is 01/2014 and the tractor Serial Number is MH0-123-456. Serial Numbers should include dashes, periods, or other separators within the serial number when present in the number format.	
PG10	Commodity Qualifier Code: V02 = Body type	
	 Commodity Characteristic Description: GRAIN HARVESTING = Body type/equipment type description 	
	The tractor equipment type is Grain Harvesting.	
PG19	• Entity Role Code: MF = Manufacturer	
	Entity Name: KUBOTA (JAPAN) = Tractor Manufacturer Name	
	The tractor manufacturer name is Kubota (Japan).	
	A PG 20 is not needed following this entry, because Address line 1 was not included.	
PG02	• Item Type: C = Component level indicator	
	Note - This record indicates that the following records pertain to a component/s related to the product listed above.	
PG07	Model: EM1002 = Model Name of the engine	
	• Manufacture Month and Year: 122013 = December, 2013 (12/2013)	

vehicles and	Engines Sample 4 - Import Certified Kubota Engines in Tractors
	Item Identity Number Qualifier: ENN = Engine Serial Number
	• Item Identity Number: MH0-874200 = The Engine Serial Number
	The model name of the engine is EM1002, the manufacture date is 12/2013 and the Engine Serial Number is MH0-874200. Serial Numbers should include dashes, periods, or other separators within the serial number when present in the number format.
PG14	• Transaction Type: 3 = General
	• LPCO Type: EP1 = EPA Certificate of Conformity (based on Import code = 1 in PG24)
	 LPCO Number (or Name): 9EPAV01.0ABC = Engine Family Name/Number The Engine family Name/Number is 9EPAV01.0ABC.
PG19	Entity Role Code: MF = Manufacturer
	Entity Name: KUBOTA (JAPAN) = Engine Manufacturer Name
	The engine manufacturer name is Kubota (Japan).
PG19, PG20	Entity Role Code: CI = Certifying Individual
	Entity Name: KUBOTA NORTH AMERICA = Certifying Individual's company name
	Entity Address: 1234 PEACHTREE STREET ATLANTA GA US 30301 = Certifying Individual's Company address
	The Certifying Individual's company name is Kubota North America, and their address is 1234 Peachtree Street, Atlanta GA, 30301, US.
PG21	Individual Qualifier: CI = Certifying Individual
	Individual Name: JANE SMITH = Certifying Individual
	Telephone Number of the Individual: 7062345678 = Certifying Individual point of contact phone number
	 Email Address for the Individual: JANE.SMITH@KUBOTAAMERICA.COM = Certifying Individual point of contact email address
	The Certifying Individual is Jane Smith. Her phone number is (706) 234-5678 and her email address is jane.smith@kubotaamerica.com.
PG55	Entity Role Code: IM = Importer of Record
	The Certifying Individual, Jane Smith, is also the Importer of Record, and her information is represented in the preceding entity information.
PG22	Document Identifier: 943 = EPA 3520-21
	Entity Role Code: CI = Certifying Individual
	• Declaration Code: EP1 = Certification Statement (3520-21)
	Declaration Certification: Y = Certified
	• Date of Signature: 02272014 = February 27, 2014 (2/27/2014) The Certifying Individual signed the certification statement on Form 3520-21 on 2/27/2014.

2.2.5 Vehicles & Engines (V&E) Sample 5

A shipment containing a Lamborghini Aventador is imported into the United States by a non-resident for personal use, for a period less than a year. Exhibit 2-13 illustrates the high-level structure of Vehicles and Engines Sample 5 depicted in Exhibit 2-14Error! Reference source not found.

Exhibit 2-13: Vehicles and Engines Sample 5 Structure

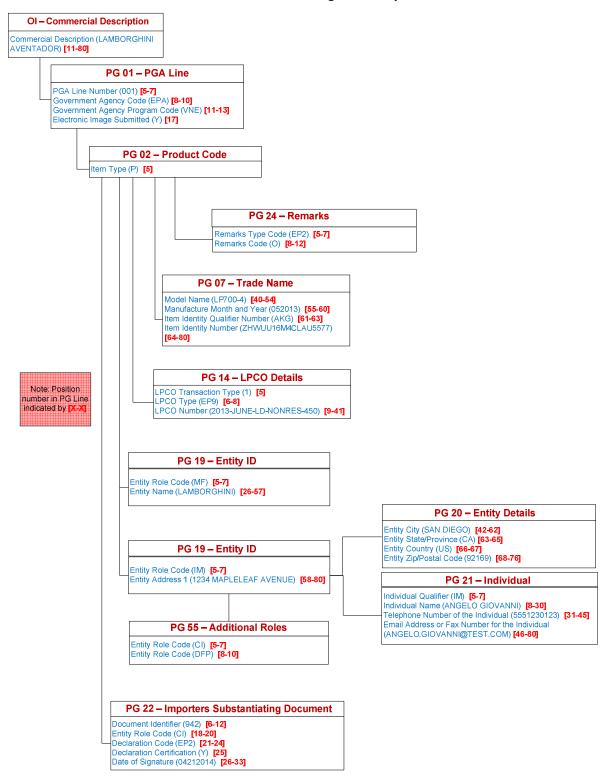


Exhibit 2-14: Vehicles and Engines Sample 5 - Import Vehicle for Personal Use

Vehicles and Engines Sample 5 - Import Vehicles for - Personal Use

LAMBORGHINI AVENTADOR PG01001EPAVNE Y

PG02P

PG24EP20

LP700-4 PG07 052014AKGZHWUU16M4CLAU5577

PG141EP92013-JUNE-LD-NONRES-450

PG19MF PG19IM LAMBORGHINI

1234 MAPLELEAF AVENUE

PG20 SAN DIEGO CA US92169 PG21IM ANGELO GIOVANNI 5551230123 ANGELO.GIOVANNI@TEST.COM

PG55CI DFP

PG22 942	CI EP2 Y04212014
PG Record	Description
OI	This is a generic invoice description record. The commercial description of this shipment is "LAMBORGHINI AVENTADOR".
PG01	PGA Line number: 001
	Government Agency Code: EPA = Environmental Protection Agency (EPA)
	 Government Agency Program Code: VNE = Vehicles and Engines (V&E)
	Electronic Image Submitted: Y = Electronic image is transmitted
	The shipment is regulated by V&E program office within the EPA. An electronic image has been transmitted.
PG02	Product/Component Indicator: P = Product
	This product/component indicator relates that the following information refers to the product.
PG24	Remarks Type Code: EP2 = Import Code
	 Remarks Code: O = Imported by non-resident for personal use by an individual for a period up to a year.
	The import code for this shipment is "O".
PG07	Model: LP700-4 = Model Name is LP700-4
	 Manufacture Month and Year: 052013 = May, 2013 (05/2013)
	 Item Identity Number Qualifier: AKG = Vehicle Identification Number (VIN)
	• Item Identity Number: ZHWUU16M4CLAU = The Vehicle Identification Number
	The model of the vehicle is LP700-4, the manufacture month and date is May 2013 and the Vehicle Identification Number is ZHWUU16M4CLAU. Serial Numbers should include dashes, periods or other separators within the serial number when present in the number format.
PG14	LPCO Transaction Type: 1 = Single Use
	LPCO Type: EP9 = EPA Vehicles and Engines Exemption Number
	• LPCO Number (or Name): 2013-JUNE-LD-NONRES-450 = EPA Exemption Number
	The Exemption Number is 2013-JUNE-LD-NONRES-450. This Exemption Number is located at the top of the exemption response letter provided by EPA's Office of Air and Radiation.
PG19	Entity Role Code: MF = Manufacturer

Vehicles and Engines Sample 5 - Import Vehicles for - Personal Use		
	Entity Name: LAMBORGHINI = Vehicle Manufacturer Name The vehicle manufacturer name is Lamborghini.	
PG19, PG20	 Entity Role Code: IM = Importer of Record Entity Address: 1234 MAPLELEAF AVENUE SAN DIEGO CA US 92169 = Importer of Record 	
	address. The Importer of Record's address is 1234 Maple Leaf Avenue, San Diego California, 92169.	
PG21	• Individual Qualifier: IM = Importer of Record	
	 Individual Name: ANGELO GIOVANNI = Importer of Record point of contact Telephone Number of the Individual: 5551230123 = Importer of Record point of contact phone number 	
	 Email Address of the Individual: ANGELO.GIOVANNI@TEST.COM = Importer of Record point of contact email address. 	
	The Importer of Record point of contact is Angelo Giovanni. His phone number is (555) 123-0123 and his email address is Angelo.Giovanni@test.com.	
PG55	Entity Role Code: CI = Certifying Individual	
	 Entity Role Code: DMF = Owner The Importer of Record is also the Certifying Individual and Owner of the vehicle and his information is represented in the preceding entity information. 	
PG22	• Document Identifier: 942 = EPA 3520-1	
	Entity Role Code: CI = Certifying Individual	
	Declaration Code: EP2 = Certification Statement (3520-1)	
	Declaration Certification: Y = Certified	
	• Date of Signature: 04212014 = The Certification date is April 21, 2014 (4/21/2014) The Certifying Individual signed the certification statement on Form 3520-1 on 4/21/2014.	

2.2.6 Vehicles & Engines (V&E) Sample 6

A shipment containing a BMW F800 GT Motorcycle is imported into the United States. Exhibit 2-15 illustrates the high-level structure of Vehicles and Engines Sample 5 depicted in Exhibit 2-16Error! Reference source not found.



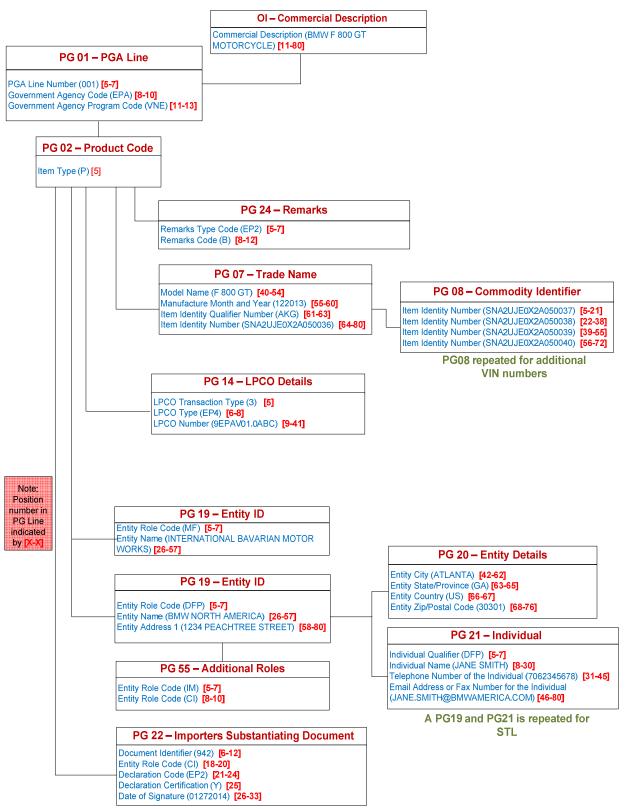


Exhibit 2-16: Vehicles and Engines Sample 6 - Import Motorcycle

Vehicles and Engines Sample - Import Motorcycle into the United States

BMW F 800 GT MOTORCYCLE

PG01001EPAVNE

PG02P PG24EP2B

PG07 F 800 GT 122013AKGSNA2UJE0X2A050036

PG08SNA2UJE0X2A050037SNA2UJE0X2A050038SNA2UJE0X2A050039SNA2UJE0X2A050040

PG143EP49EPAV01.0ABC

PG19MF INTERNATIONAL BAVARIAN MOTOR WORKS
PG19DFP BMW NORTH AMERICA 1234 PEACHTREE STREET
PG20 ATLANTA GA US30301
PG21DFPJANE SMITH 7062345678 JANE.SMITH@BMWAMERICA.COM

PG21DFPJANE PG55IM CI	SMITH 7062345678 JANE.SMITH@BMWAMERICA.COM
PG19STL PG21STLJONES PG22 942	BMW STORAGE SMITH 2014567890 JONES.SMITH@BMWSTORAGE.COM CI EP2 Y01272014
PG Record	Description
OI	This is a generic invoice description record. The commercial description of this shipment is "BMW F 800 GT MOTORCYCLE".
PG01	 PGA Line number: 001 Government Agency Code: EPA = Environmental Protection Agency (EPA) Government Agency Program Code: VNE = Vehicles & Engines (V&E) The shipment is regulated by the V&E program office within EPA.
PG02	Product/Component Indicator: P = Product This product/component indicator relates that the following information refers to the product.
PG24	 Remarks Type Code: EP2 = EPA Vehicles and Engines Import Code Remarks Code: B = U.S Certified The import code for this shipment is "B", U.S. Certified, no bond required.
PG07	 Model: F 800 GT = The product name is F 800 GT Manufacture Month and Year: 122013 = December, 2013 (12/2013) Item Identity Number Qualifier: AKG = Vehicle Identification Number (VIN) Item Identity Number: SNA2UJE0X2A050036 = VIN number The model name of the vehicle is F 800 GT, the manufacture date is 12/2013, and the VIN is SNA2UJE0X2A050036.
PG08	 Item Identity Number: SNA2UJE0X2A050037= Vehicle Identification Number (VIN) Item Identity Number: SNA2UJE0X2A050038 = Vehicle Identification Number (VIN) Item Identity Number: SNA2UJE0X2A050039 = Vehicle Identification Number (VIN) Item Identity Number: SNA2UJE0X2A050040 = Vehicle Identification Number (VIN)

Vehicles and Engines Sample - Import Motorcycle into the United States		
	The remaining VIN numbers are captured in the following PG08 line. They are: SNA2UJE0X2A050037, SNA2UJE0X2A050038, SNA2UJE0X2A050039, and SNA2UJE0X2A050040.	
PG14	• LPCO Transaction Type: 3 = General	
	LPCO Type: EP4 = Test Group Name code	
	LPCO Number (or Name): 9EPAV01.0ABC = Test Group Name	
	The Test Group Name is 9EPAV01.0ABC.	
PG19	Entity Role Code: MF = Manufacturer	
	• Entity Name: INTERNATIONAL BAVARIAN MOTOR WORKS = Engine Manufacturer Name The manufacturer is International Bavarian Motor Works.	
	A PG 20 is not needed following this entry, because Address line 1 was not included.	
PG19, PG20	• Entity Role Code: DFP = Owner	
	Entity Name: BMW NORTH AMERICA = Certifying Individual's company name	
	 Entity Address: 1234 PEACHTREE STREET ATLANTA GA 30301 US = Certifying Individual's company address 	
	The second entity record contains the owner's information.	
PG21	• Individual Qualifier: DFP = Owner	
	Individual Name: JANE SMITH = Owner name	
	Telephone Number of the Individual: 7062345678 = Owner point of contact phone number	
	Email Address of the Individual: JANE.SMITH@BMWAMERICA.COM = Owner email address	
	The Owner is Jane Smith. Her phone number is (706) 234-5678 and her email address is jane.smith@bmwamerica.com.	
PG55	Entity Role Code: IM = Importer of Record	
	Entity Role Code: CI = Certifying Individual	
	The Owner, Jane Smith, is also the Importer of Record and the Certifying Individual, and her information is represented in the preceding entity information.	
PG19	Entity Role Code: STL = Storage Location	
	Entity Name: BMW STORAGE = Storage Location Name	
	The third entity record contains the storage location contact. The name of the storage location is BMW Storage.	
PG21	Individual Qualifier: STL = Storage Location	
	Individual Name: JONES SMITH = Storage Location point of contact	
	 Telephone Number of the Individual: 2014567890 = Storage Location point of contact phone number 	

Vehicles and Engines Sample - Import Motorcycle into the United States		
	 Email Address of the Individual: JONES.SMITH@BMWSTORAGE.COM = Storage Location point of contact email address 	
	The point of contact for the storage location is Jones Smith. His telephone number is (201)456-7890, and his email is Jones.Smith@BMWStorage.com.	
PG22	• Document Identifier: 942 = EPA 3520-1	
	Entity Role Code: CI = Certifying Individual	
	 Declaration Code: EP2 = Certification Statement (3520-1) 	
	 Declaration Certification: Y = Certified 	
	 Date of Signature: 01272014 = January 27, 2014 (1/27/2014) 	
	The Certifying Individual signed the certification statement on Form 3520-1 on 1/27/2014.	